

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A commercial-scale production method of sialylating a saccharide group on a recombinant glycoprotein, the method comprising contacting a saccharide group which comprises a galactose or N-acetylgalactosamine acceptor moiety on a recombinant glycoprotein with a sialic acid donor moiety and a recombinant ST3Gal I sialyltransferase in a reaction mixture which provides reactants required for sialyltransferase activity for a sufficient time and under appropriate conditions to transfer sialic acid from said sialic acid donor moiety to said saccharide group, wherein at least 80% of the terminal galactose residues present on the glycoprotein are sialylated.

2. (Original) The method of claim 1, wherein the sialic acid donor moiety is CMP-sialic acid.

3. (Original) The method of claim 2, wherein the CMP-sialic acid is enzymatically generated *in situ*.

4. (Currently amended) The method of claim 1, wherein the sialyltransferase is a recombinant eukaryotic sialyltransferase which ~~substantially~~ lacks a membrane-spanning domain.

5-20. (Cancelled)

21. (Currently amended) The method of claim 1, wherein the ST3Gal I sialyltransferase is produced by recombinant expression of a the ST3Gal I sialyltransferase in a host cell selected from the group consisting of an insect cell, a mammalian cell, and a fungal cell.

22. (Original) The method of claim 21, wherein the host cell is an *Aspergillus niger* cell.

23-58. (Cancelled)

59. (Currently amended) A commercial-scale production method for sialylation of saccharide groups on a glycoprotein, said method comprising contacting said saccharide groups with a ST3Gal I sialyltransferase, a sialic acid donor moiety, and other reactants required for sialyltransferase activity for a sufficient time and under appropriate conditions to transfer sialic acid from said sialic acid donor moiety to said saccharide group, and wherein ~~a greater percentage of terminal galactose residues are sialylated compared to an unaltered glycoprotein~~ at least 80% of the terminal galactose residues present on the glycoprotein are sialylated.

60. (Cancelled)

61. (New) The method of claim 60, wherein at least 90% of the terminal galactose residues present on the glycoprotein are sialylated.